BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Improvements to CC Road at Murali House behind Road, Sommanna's House Road and near Abdula's House Road in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.

							Estimate Cost Rs.		3000000.00
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2. Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.2 / PWD SR 2014-15**	Cum							
	Murali House Surroundings		1	70.00	4.00	0.15	42.00		
			1	72.00	3.50	0.15	37.80		
			1	18.00	2.00	0.15	5.40		
	Sommannas House S		1	40.00	3.00	0.15	18.00		
			1	22.00	4.50	0.15	14.85		
			1	24.00	3.00	0.15	10.80		
			1	58.00	5.50	0.15	47.85		
	Muneshwara Block		1	76.00	4.00	0.15	45.60		
			1	60.00	5.50	0.15	49.50		
	Culvert		3	6.00	1.80	1.20	38.88		
	Mariyamma Block		1	5.00	1.80	1.20	10.80		
							321.48	105.84	**34025.00**
	Basic Rate	98.00							
	Area Weightage @8%	7.84							
	Total	**105.84**							
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	Murali House Surroundings		1	70.00	4.00	0.15	42.00		
			1	72.00	3.50	0.15	37.80		
			1	18.00	2.00	0.15	5.40		
	Sommannas House S		1	40.00	3.00	0.15	18.00		
			1	22.00	4.50	0.15	14.85		
			1	24.00	3.00	0.15	10.80		
			1	58.00	5.50	0.15	47.85		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Muneshwara Block		1	76.00	4.00	0.15	45.60		
			1	60.00	5.50	0.15	49.50		
	Culvert		3	6.00	1.80	0.15	4.86		
			1	5.00	1.80	0.15	1.35		
							278.01	4847.04	**1347526.00**
	Basic Rate	4488.00							
	Area Weightage @8%	359.04							
	Total	**4847.04**							
3	KSRB 5.4-3: Providing and constructing granite / trap / basalt size stone masonry in **superstructure with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.12 / PWD SR 2014-15**	Cum							
			3x2	6.00	0.60	0.90	19.44		
			1x2	5.00	0.60	0.90	5.40		
							24.84	4773.60	**118576.00**
	Basic Rate	4420.00							
	Area Weightage @ 8%	353.60							
	Total	**4773.60**							
4	KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.4 / PWD SR 2014-15**	Sqm							
			3x2	6.00		0.80	28.80		
			1x2	5.00		0.80	8.00		
							36.80	92.88	**3418.00**
	Basic Rate	86.00							
	Area Weightage @ 8%	6.88							
	Total	**92.88**							
5	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2014-15**	Cum							
	Pointing		3	6.00	1.80	0.10	3.24		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			1	5.00	1.80	0.10	0.90		
	Ramp		3x2	6.00	0.90	0.15	4.86		
			1x2	5.00	0.90	0.15	1.35		
							10.35	5327.64	**55141.00**
	Basic Rate	4933.00							
	Area Weightage @ 8%	394.64							
	Total	**5327.64**							
6	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum								
			3	6.00	1.80	0.23	7.45		
			1	5.00	1.80	0.23	2.07		
							9.52	6065.28	**57754.00**
	Basic Rate	5616.00							
	Area Weightage @ 8%	449.28							
	Total	**6065.28**							
7	KSRB 4.9.1: **Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	For Roof, Columns @ 90 Kg / Cum		0.90	9.52			**8.57**	7975.80	**68351.00**
	Basic Rate	7385.00							
	Area Weightage @ 8%	590.80							
	Total	**7975.80**							
8	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31/ PWD SR 2014-15**	Sqm							
			3	6.00	0.60		10.80		
			1	5.00	0.60		3.00		
			3x2	6.00		0.23	8.28		
			1x2	5.00		0.23	2.30		
			4x2	1.80		0.23	3.31		
							27.69	292.68	**8105.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							
9	KSRB- 4-1.5 : Providing and laying in position plain cement concrete of **mix M20 with OPC cement @ 300 kgs, with 20mm** and down size graded granite metal coarse aggregates @ 0.64 cum and fine aggregares @ 0.43 cum with superplastisiser @ 3lts confirming to IS9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2, **No. 12/ Item No. 4.5/ PWD SR 2014-15**	Cum							
	Murali House Surroundings		1	70.00	4.00	0.10	28.00		
			1	72.00	3.50	0.10	25.20		
			1	18.00	2.00	0.10	3.60		
	Sommannas House S		1	40.00	3.00	0.10	12.00		
			1	22.00	4.50	0.10	9.90		
			1	24.00	3.00	0.10	7.20		
			1	58.00	5.50	0.10	31.90		
	Muneshwara Block		1	76.00	4.00	0.10	30.40		
			1	60.00	5.50	0.10	33.00		
							181.20	5852.52	**1060477.00**
	Basic Rate	5419.00							
	Area Weightage @8%	433.52							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**5852.52**							
10	Vaccum De-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **171 / Item No. 22.7 / PWD SR 2014-15**	Sqm							
	Murali House Surroundings		1	70.00	4.00		280.00		
			1	72.00	3.50		252.00		
			1	18.00	2.00		36.00		
	Sommannas House S		1	40.00	3.00		120.00		
			1	22.00	4.50		99.00		
			1	24.00	3.00		72.00		
			1	58.00	5.50		319.00		
	Muneshwara Block		1	76.00	4.00		304.00		
			1	60.00	5.50		330.00		
							1812.00	97.20	**176126.00**
	Basic Rate	90.00							
	Area Weightage @8%	7.20							
	Total	**97.20**							
11	Providing groove cutting for **cement pavement** wifth of 5mm to 10mm and depth 800mm-100mm including cost of cutting machine, generator and HOM of machinery, including cost of blade, coolant etc, including cleaning of groove and providing sand and hot bitumen fillarsm and filler metal etc including of conveyance of all materials, labour, lead and lift charges and all other incidental charges as per drawing and as per specifications **Page No. 172 / Item No. 22.8 / PWD SR 2014-15**	Rmt							
			7	4.00			28.00		
			7	3.50			24.50		
			2	2.00			4.00		
			4	3.00			12.00		
			2	4.50			9.00		
			2	3.00			6.00		
			6	5.50			33.00		
			8	4.00			32.00		
			6	5.50			33.00		
							181.50	124.20	**22542.00**
	Basic Rate	115.00							
	Area Weightage @8%	9.20							
	Total	**124.20**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
			Vide Item No. 1				**241.11**	73.57	**17738.00**
	Average weight of earth 1.28 tonne / kg for 2x1.28x2.00=5.12	5.12							
	Add loading and unloading charges Vide item no.17.1 P.no.130	63.00							
		68.12							
	Area Weightage @ 8%	5.45							
	Total	**73.57**							
13	Sub Total								**2969779.00**
14	Third Party Inspection Charges @ 1%								**29698.00**
15	Miscesallaneous Charges	L/S							**523.00**
								Total	**3000000.00**

(Rupees Thirty Lakhs Only)

Technical Sanction for Rs. 30.00 Lakhs only / Thirty lakhs only
P-1771
Registered as EE ( ) No. ... Subject to conditions contained in enclosed memo EE ( ) No. ... Dt. ... Estimate A/Sanctioned No. ... dated ... Rs. ...
AE/JE EE (BTP Div.)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 This work included under POW Grants 2014-15.
4 The provisions were made in this estimate are necessary and adequate.
5 This works come under B.B.M.P. limits.

Asst. / Jr. Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

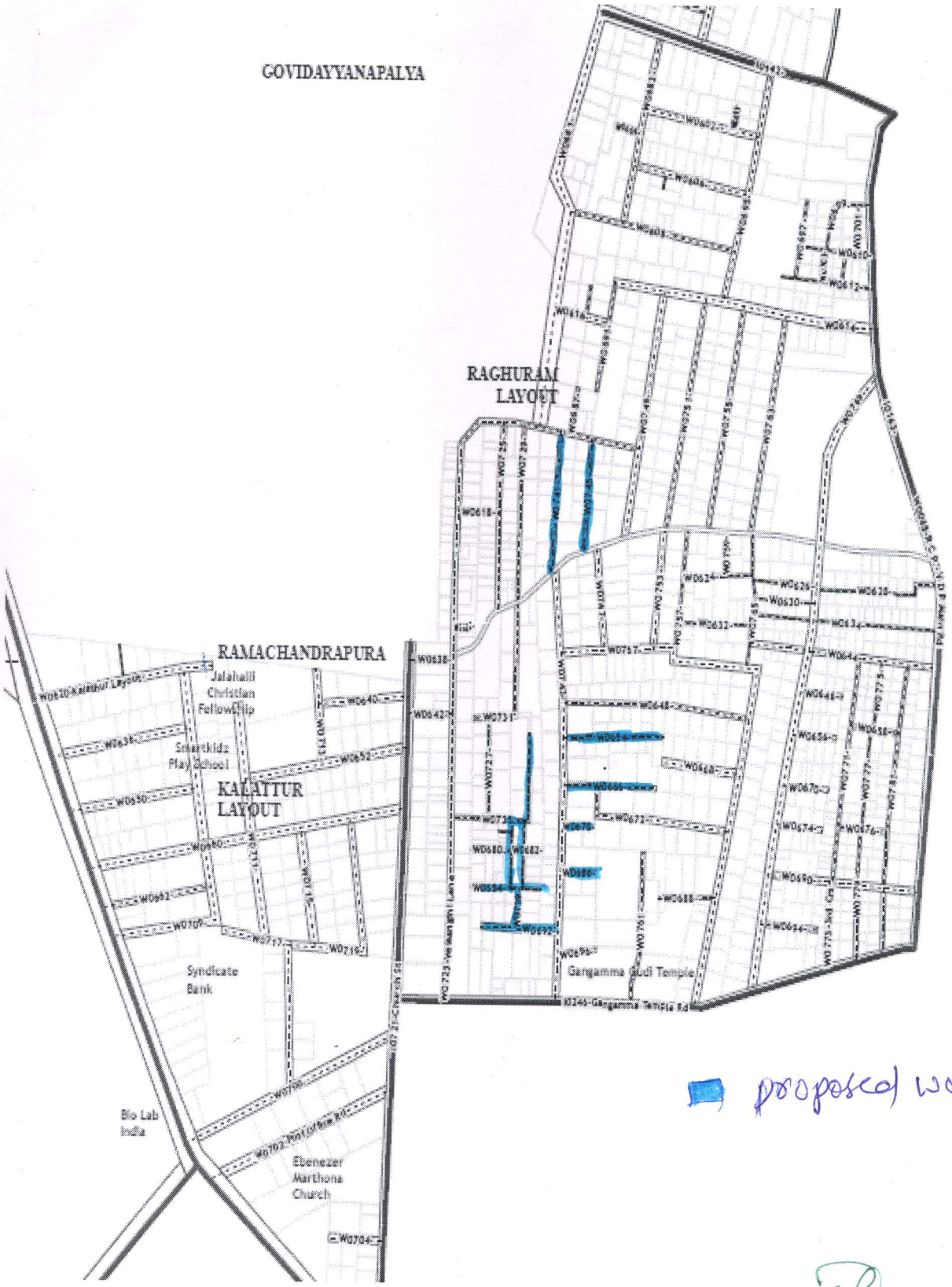
ADMINISTRATIVELY SANCTIONED FOR Rs 30.00 Lakhs
Rupees Thirty Lakhs only
Under P-1771
Registered as EE ( ) No. 9...9...
Subject to conditions contained in enclosed memo EE ( ) No. 161...
Dt. ... Estimate A/Sanctioned No. 1106/14-15
dated ... Rs 30.00 Lakhs

Joint Commissioner
(Yelahanka Zone)
BBMP, Bengaluru-92

Technical Sanction for Rs. 30.00 L
Thirty lakh only
P-1771
Registered ... Dated 29/10/14 Subject to conditions contained in enclosed memo.
No. 21 Dt. 29/10/14
AE/JE

Superintending Engineer
Yelahanka Zone
BBMP, Bangalore

Improvements to CC Road at Murali House behind Road, Sommanna's House Road and near Abdula's House Road in Ward No. 11 (Kuvempunagara), Vidyaranyapura Sub Division.



W-11

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97